



COLLISION and INJURY DYNAMICS, Inc.

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JOHN A. BOGLER
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Professional Competence

General vehicular collision analysis and reconstruction, including automobiles, motorcycles and bicycles. Specializing in mechanics and dynamics of vehicular collisions and causative factors of vehicular accidents. Mechanical engineering analysis of product failure. Specializing in bicycle products and mechanical equipment design, analysis and testing.



Education

Bachelor of Science from the University of California at Irvine, 1991, Mechanical Engineering

Barnett's Bicycle Institute, Bicycle Repair and Maintenance Course, 1992

Institute of Police Technology, Advanced Accident Reconstruction Course, 1999 and Traffic Crash Reconstruction, 2001

Continuing Education in the fields of Accident Reconstruction. Attending two to four seminars or short courses per year that are typically sponsored by either the Society of Automobile Engineers.

Training and Experience

1996 – Present Self employed, providing engineering design and consultation to individuals, manufacturers, attorneys and agencies for Cities, Counties and States

1992 - 1998 Shimano American Corporation, Bicycle Division and North-American Operations

1991 - 1992 Verteq, Semi-conductor wafer processors, electro-mechanical research and development

1989 - 1991 Noah Howden, Cooling System Design Team

Organizations

International Organization of Standards
Society of Automotive Engineers
American Society of Testing and Materials
ASM International

Biographical Sketch

Mr. Bogler was born in Fresno, California, in 1968. In 1991 he graduated from University of California at Irvine, UCI, with a B.S. in Mechanical Engineering. While attending UCI, Mr. Bogler participated in NCAA Division I Track and Field achieving national ranking in the decathlon and long jump, and he supported himself by working at Noah Howden, where he designed cooling systems for military applications.

From May 1992 to November 1998, Mr. Bogler worked at Shimano American Corporation, and was in charge of North American Operations of Quality Control, Customer Service, Product Development, Product Testing, Race Support, New Business for the Bicycle Division, and Legal. During this time, he developed skills in manufacturing process, failure analysis, product development, product liability, risk analysis, and corporate law. Mr. Bogler was frequently the corporate designee and person most qualified for Shimano American Corporation in product liability lawsuits. Mr. Bogler spent a significant amount of his time reviewing, analyzing, and accessing the potential exposure of Shimano American Corporation in product liability litigation.

Mr. Bogler also has extensive experience in the fields of static and dynamic analysis and testing. This experience and available tools allow him to perform various component and system level analysis and testing. Furthermore, he has developed intimate knowledge of Computer Aided Engineering (CAE), Computer Aided Drafting (CAD), Finite Element Analysis (FEA), while designing and developing original equipment.

Bicycle Sub-Specialty

Mr. Bogler has extensive knowledge in the fields of bicycle products and bicycle riding. From 1982-present Mr. Bogler has participated in bicycle racing events, duathlons, triathlons and Adventure Races. During this timeframe, Mr. Bogler also worked for Shimano, the world leader in bicycle component manufacturing. In his position at Shimano, Mr. Bogler has been able to gain intimate knowledge of bicycle and bicycle component design, manufacturing, assembly, use, and misuse.

This experience combined with his education enables Mr. Bogler to provide engineering consulting services and expert testimony in all aspects of bicycle accident reconstruction. This includes matters dealing with bicycle products, cycling techniques and interaction between the bicycle rider and bicycle, as well as the surrounding environment. Within the area of bicycle products, Mr. Bogler can analyze defects, abuse, performance and consumer expectations.

Publications

Analysis of Bicycle Pitch-Over in a Controlled Environment, G.P. Bretting, J.A. Bogler, H.P. Jansen, M.A. Callahan, J.A. Prunckle, SAE 2010-01-0064, April 12, 2010.

Effective July, 2010

